



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Robert W. Busby et al. Art Unit : Unknown
Serial No. : 09/800,863 Examiner : Unknown
Filed : March 7, 2001
Title : METHODS FOR IMPROVING SECONDARY METABOLITE PRODUCTION
IN FUNGI

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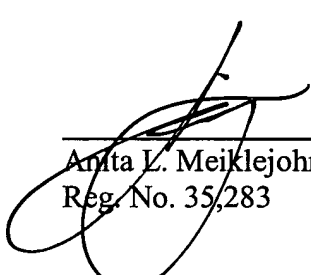
INFORMATION DISCLOSURE STATEMENT

Applicants request consideration of the references listed on the attached PTO-1449 form.

Under 35 USC §120, this application relies on the earlier filing date of application serial number 09/487,558, filed on January 19, 2000. The following references were submitted to and/or cited by the Office in the prior application and, therefore, are not provided in this application. This statement is being filed before the receipt of a first Office Action on the merits. Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: 1 FEB 2005


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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 14184-008002	Application No. 09/800,863
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.96(b))		Applicant Robert Busby et al.	
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U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	US 2002/0128250	9/12/2002	Busby et al.			
	AB	5,665,543	9/9/1997	Foulkes et al.			

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AC	EP 0357119	11/8/95	European Patent Office				
	AD	WO 00/37629	6/29/00	WIPO				
	AE	WO 99/25865	5/27/99	WIPO				
	AF	WO 99/25735	5/27/99	WIPO				
	AG	WO 01/42426	12/7/2000	WIPO				

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AH	Agathos et al., "Physiological and Genetic Factors for Process Development of Cyclosporine Fermentations" J. of Indust. Microbiol. 1:39-48, 1986.
	AI	Alarco et al., "AP1-Mediated Multidrug Resistance in <i>Saccharomyces cerevisiae</i> Requires..." J. of Biol. Chem. 272:(31):19304-19313, 1997.
	AJ	Alberts et al., "Mevinolin: A highly potent competitive inhibitor of hydroxymethylglutarl-..." Proc. Nat'l. Acad. Of Sci. USA 77:3957-3961, 1980.
	AK	Alexander et al., "TRI12, a trichothecene efflux pump from <i>Fusarium sporotrichioides</i> ..." Mol. Gen. Genet. 261:977-984, 1999.
	AL	Bartolomei et al., "Genetic Analysis of the Repetitive Carboxyl-Terminal Domain..." Mol. And Cell. Biol. 8:330-339, 1998.
	AM	Beltzer et al., "Yeast LEU4 Encodes Mitochondrial and Nonmitochondrial Forms of ..." J. of Biol. Chem. 263:368-374, 1998.
	AN	Bentley, R., "Secondary Metabolite Biosynthesis: The First Century" Critical Reviews in Biotech. 19:1-40, 1999.
	AO	Borel, J.F., "Editorial: Ciclosporing and its Future" Progress in Allergy 38:9-18, 1986.
	AP	Boyum et al., "Effect of ATP Binding Cassette/Multidrug Resistance Proteins on ATP..." Biochem and Biophys. Res. Comm. 230:22-26, 1997.
	AQ	Brakhage, A., "Molecular Regulation of B-Lactam Biosynthesis in Filamentous Fungi" Microb. And Mol. Biol. Rev. 62:547-585, 1998.
	AR	Buckland et al., "Production of Lovastatin, an inhibitor of cholesterol accumulation in humans" Topics in Industrial Microbiology: Novel Microbial Products for Medicine, p. 161-169, Elsevier, Amsterdam, 1989.

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EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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	AS	Bundgaard et al., "A new spectrophotometric method for the determination of penicillins" J. Pharm. Pharmac. 24:790-794, 1972.
	AT	Casqueiro et al., "Gene Targeting in <i>Penicillium chrysogenum</i> : Disruption of the lys2..." J. of Bacteriol. 181:1181-1188, 1999.
	AU	Cardenas et al., "Targets of immunophilin-immunosuppressant complexes are distinct highly..." The EMBO J. 14:2772-2783, 1995.
	AV	Chang et al., "Cloning of the <i>Aspergillus parasiticus</i> apa-2 gene associated with the regulation..." Appl. Environ. Microbiol. 59:3273,3279, 1993.
	AW	Chen et al., "Mapping Mutations in Genes Encoding the Two Large Subunits of ..." Mol. And Cell. Biol. 13:4214-4222, 1993.
	AX	Decottignies et al., "Complete inventory of the yeast ABC proteins" Nature Genetics 15:137-145, 1997.
	AY	Demain, A., "Microbial secondary metabolism: a new theoretical frontier..." Ciba Foundation Symposium 171:3-16, 1992.
	AZ	Donald et al., "Effects of Overproduction of the Catalytic Domain of 3-Hydroxy-3-Methylglutaryl..." Applied and Environmental Microbiology 63:3341-3344, 1997.
	AAA	Douglas et al., "Identification of the FKS1 Gene of <i>Candida albicans</i> as the Essential Target..." Antimicrobial Agents and Chemo. 41:2471-2479, 1997.
	ABB	Drgonova et al., "Rho1p, a Yeast Protein at the Interface Between Cell Polarization..." Science 272:277-279, 1996.
	ACC	Feller et al., "In <i>Saccharomyces cerevisiae</i> , feedback inhibition of homocitrate synthase isoenzymes..." Eur. J. Biochem. 261:163-170, 1999.
	ADD	Fillinger et al., "The basal level of transcription of the <i>alc</i> genes in the ethanol regulon in <i>Aspergillus nidulans</i> is controlled..." FEBS Letters 368:547-550, 1995.
	AEE	Gonzalez-Garay et al., "A B-Tubulin Leucine Cluster Involved in Microtubule Assembly..." J. of Biol. Chem. 274:23875-23882, 1999.
	AFF	Griffin, D., "Secondary (Special) Metabolism" Fungal Physiology, Chapter 9, pg. 246-274, 1994.
	AGG	Heinisch et al., "The protein kinase C-mediated MAP kinase pathway involved in the maintenance..." Mol. Microbiol. 32:671-680, 1999.
	AHH	Jensen et al., "Beta-Lactams" Genetics and Biochemistry of Antibiotic Production, Chapter 9, pg. 239-268, 1995.
	AII	Katzmann et al., "Transcriptional Control of the Yeast PDR5 Gene by the PDR3 Gene Product" Mol. And Cell. Biol. 14:4653-4661, 1994.
	AJJ	Kennedy et al., "Modulation of Polyketide Synthase Activity by Accessory Proteins During..." Science 284:1368-1372, 1999.
	AKK	Kennedy et al., "Alpha-(L-alpha Amino adipyl)-L-cysteiny-D-valine synthetase is a rate limiting..." Mol. Gen. Genet. 253:189-197, 1996.
	ALL	Lowther et al., "The anti-angiogenic agent <i>fumagillin</i> covalently modifies a conserved..." Proc. Nat'l. Acad. Sci. USA 95:12153-12157, 1998.
	AMM	Leung et al., "Penicillin Biosynthesis" Prog. Ind. Microbiol. 29:603-38, 1994.
	ANN	Lum et al., "Molecular, Functional and Evolutionary Characterization of the Gene Encoding..." Yeast 12:1107-1124, 1996.

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	AOO	Mingot et al., "Disruption of <i>phacA</i> , and <i>Aspergillus nidulans</i> Gene Encoding a Novel..." J. of Biol. Chem. 274:14545-14550, 1999.
	APP	Nakaune et al., "A Novel ATP-Binding Cassette Transporter Involved in Mutlidrug Resistance..." Applied and Environ. Microbiol. 64:3983-3988, 1998.
	AQQ	Nelissen et al., "Classification of all Putative Permeases and Other Membrane..." FEMS Microb. Rev. 21:113-211, 1997.
	ARR	Nonaka et al., "A downstream target of RH01 small GTP-binding protein is PKC1, a homolog of protein kinase C..." The EMBO J. 14:5931-5938, 1995.
	ASS	Norman et al., "Genetic Selection of Peptide Inhibitors of Biological Pathways" Science 285:591-595, 1999.
	ATT	Oskouian et al., "YAP1 confers resistance to the fatty acid synthase inhibitor cerulenin" Mol. Gen. Genet. 261:346-353, 1999.
	AUU	Penalva et al., "The optimization of penicillin biosynthesis in fungi" Trends. Biotech. 16:483-489, 1998.
	AVV	Pfeifer et al., "Biosynthesis of polyketides in heterologous hosts" Microbiol. And Mol. Biol. Rev. 106-118, 2001.
	AWW	Qadota et al., "Identification of Yeast Rho1p GTPase as a Regulatory Subunit..." Science 272:279-281, 1996.
	AXX	Ravid et al., "Impaired Regulation of 3-hydroxy-3-methylglutaryl-Coenzyme A..." J. of Biol. Chem. 274:29341-29351, 1999.
	AYY	Reid et al., "Camptothecin Sensitivity is Mediated by the Pleiotropic Drug Resistance..." J. of Bio. Chem. 272:12091-12099, 1997.
	AZZ	Sanglard et al., "Mechanisms of Resistance to Azole Antifungal Agents in ..." Antimicrobial Agents and Chemoth. 39:2378-2386, 1995.
	AAAA	Seron et al., "Uracil-Induces Down-Regulation of the Yeast Uracil Permease" J. of Bacteriol. 181:1793-1800, 1999.
	ABBB	Silar, P. "Two New Easy To Use Vectors for Transformations" Fungal Genetics Newsletter 42:73, 1995.
	ACCC	Sin et al., "The anti-angiogenic agent fumagillin covalently binds and inhibits..." Proc. Nat'l. Acad. Sci. USA 94:6099-6103, 1997.
	ADDD	Tag et al., "G-preotin signaling mediates differential production of toxic secondary metabolites" Mol. Microbio. 38:658-665, 2000.
	AEEE	Theilgaard et al., "Quantitative Analysis of <i>Penicillium chrysogenum</i> Wis54-1255 Transformants.." Biotech. Bioeng. 72:379-388, 2001.
	AFFF	Wendler et al. "Diazaborine Resistance in the Yeast <i>Saccharomyces cerevisiae</i> Reveals..." J. of Biol. Chem. 272:27091-27098, 1997.
	AGGG	Wolschek et al., "The Filamentous Fungus <i>Aspergillus niger</i> Contains Two" J. of Biol. Chem. 272:2729-2735, 1997.

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